

**To:** Joffe, Brian[Joffe.Brian@epa.gov]  
**From:** Russ, Timothy  
**Sent:** Tue 1/3/2017 8:48:37 PM  
**Subject:** FW: I-70 East FHWA PM10 Hot-spot Modeling & Season to be Modeled Issue - Denver PM10 Monitoring Data

Hi again Brian,

## Ex. 5 - Deliberative Process

Thanks!

Tim

Tim Russ  
Environmental Scientist  
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Ph. (303) 312-6479  
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e-mail: russ.tim@epa.gov

**From:** Russ, Timothy  
**Sent:** Wednesday, December 28, 2016 2:15 PM  
**To:** Patulski, Meg <patulski.meg@epa.gov>; Berry, Laura <berry.laura@epa.gov>; VanGessel, Benjamin <vangessel.benjamin@epa.gov>; Bailey, Chad <bailey.chad@epa.gov>; Owen, Chris <Owen.Chris@epa.gov>  
**Cc:** Dresser, Chris <Dresser.Chris@epa.gov>  
**Subject:** Re: I-70 East FHWA PM10 Hot-spot Modeling & Season to be Modeled Issue -

Hi Everyone,

## Ex. 5 - Deliberative Process

To help to better understand the Metro-Denver winter time inversions, cold temperatures, and road sanding effects, I have asked one of Region 8's monitoring folks to pull together the top ten monitoring values for the last five years for PM<sub>10</sub> monitoring data from:

A.) The **Alsup** monitoring location (this is the monitor recommended by the Colorado Department of Public Health and Environment, or CDPHE) that was used by FHWA for the background monitoring data in the PM<sub>10</sub> hot-spot modeling for the SDEIS, FEIS, and draft information for the ROD.

B.) Two other monitor locations nearby the Alsup monitor location (**Welby & Denver Visitors Center**).

As can be seen in the table below, 9 of the 10 highest PM<sub>10</sub> monitoring values for the Alsup monitor location happen in the three months (December, January, February) that were considered in the I-70 East hot-spot modeling protocols. True, one of the top 9 high values was on November 28<sup>th</sup>, but that is right next to December.

## Ex. 5 - Deliberative Process

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Thoughts?

Thanks!

Tim

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**From:** Payton, Richard  
**Sent:** Wednesday, December 28, 2016 11:20 AM  
**To:** Russ, Timothy <[Russ.Tim@epa.gov](mailto:Russ.Tim@epa.gov)>  
**Subject:** Denver PM10 top ten

Tim:

Below are ranked top values for the Welby, Alsup Elementary and Denver Visitor Center monitors. I did not include other monitors in the urban area (CAMP, La Casa, Denver Animal Shelter, Tri-county Health) because they have less than daily data (generally 1 in 6 days or 1 in 3 days), have incomplete data over the 2011-2016 time frame (3 or fewer years) and/or have lower values than the ones shown.

The locations are shown below the table.

Richard

Date	Alsup	Date	Welby TEOM	Date	Denver Visitors
1/23/2013	144	6/26/2012		92 9/22/2011	123
12/9/2014	117	3/26/2012		91 5/26/2012	87
11/28/2012	113	3/18/2012		85 11/28/2012	87
12/12/2013	97	12/9/2014		95 9/28/2011	84
12/12/2014	97	1/23/2013		82 3/23/2016	82
1/24/2013	91	1/24/2013		81 5/27/2012	79
12/13/2014	92	10/6/2011		80 12/4/2015	74
1/22/2013	89	8/24/2015		74 1/18/2016	74
12/4/2014	89	12/11/2014		70 1/23/2013	73
5/26/2012	86			12/13/2014	72



**Thu 12/22/2016 10:12 AM**

Owen, Chris [Owen.Chris@epa.gov](mailto:Owen.Chris@epa.gov)

Re: I-70 East Project - Request to FHWA for Additional Information and Preliminary Comments/Observations

## **Ex. 5 - Deliberative Process**

So, not sure I am on topic, but just chiming in on the things I have been thinking about since the call yesterday.

thanks

Chris

**From:** Berry, Laura

**Sent:** Wednesday, December 21, 2016 1:53 PM

**To:** Russ, Timothy <[Russ.Tim@epa.gov](mailto:Russ.Tim@epa.gov)>; Dresser, Chris <[Dresser.Chris@epa.gov](mailto:Dresser.Chris@epa.gov)>;

VanGessel, Benjamin <[vangessel.benjamin@epa.gov](mailto:vangessel.benjamin@epa.gov)>

**Cc:** Owen, Chris <[Owen.Chris@epa.gov](mailto:Owen.Chris@epa.gov)>; Bailey, Chad <[bailey.chad@epa.gov](mailto:bailey.chad@epa.gov)>

**Subject:** FW: CO Moves files for EPA review

Hi all,

## Ex. 5 - Deliberative Process

A decoder for which alternatives go with which AERMOD input/output file names

**Thu 12/22/2016 8:02 AM**

Russ, Timothy [Russ.Tim@epa.gov](mailto:Russ.Tim@epa.gov)

RE: I-70 East Project - Request to FHWA for Additional Information and Preliminary Comments/Observations

Hi Everyone,

## Ex. 5 - Deliberative Process

## **Ex. 5 - Deliberative Process**

# **Referred to FHWA**

Also, I would note that same language for the “**Season(s) to be modeled**” appears on page 3 of the Final EIS (FEIS) air quality modeling protocol.